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Editor, Public Health Reports  
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## **Programs, Practices, People**

- 595 FDA's precise standard for low and reduced calorie foods
  - 595 Grants of \$3.4 million awarded by HHS for 3-year study of treatments for depression
  - 596 OSHA awards grants for training and education amounting to \$3.5 million
  - 596 Annual scientific sessions of Society for Clinical Trials
  - 596 FDA advises physicians to use only written prescriptions for Darvon and say "No refill"
  - 597 Results of survey by Department of Labor of workers' face injuries
  - 597 Response to "Nonphysician Directors of Local Health Departments" [letter to the editor]
  - 597 Education notes
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Cover: Lack of access to medical care among the poor has been addressed by two major public programs—Medicaid and community health centers. To examine the impact of these programs, a before-and-after study design was applied to five urban areas. The results are reported on pages 520-534. Among low-income residents, there was a shift from hospital clinics to community facilities for ambulatory care, Medicaid coverage increased, and travel time to a source of care was shortened.

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## Results of Survey by Department of Labor of Workers' Face Injuries

■ Virtually all workers participating in a 1979 survey of face injuries had no face protection at the time of their accidents. The Department of Labor, Bureau of Labor Statistics (BLS), study was designed to help the Occupational Safety and Health Administration evaluate the effectiveness of current job safety and health standards and set new standards.

The survey was based on workers' compensation data for a 5-month period in 1979, which BLS obtained from 20 States. The commonest injuries were lacerations, fractures, broken teeth, and contusions. Most workers were injured while performing their usual jobs. Variables considered included age, sex, occupation, part of the face injured, and type and cause of the injury.

Copies of the survey report, as well as reports based on 1979 data for foot, head, and eye injuries, may be obtained from the Office of Occupational Safety and Health Statistics, Bureau of Labor Statistics, Rm. C4311, Frances Perkins Bldg., 3d St. and Constitution Ave., NW., Washington, D.C. 20210; telephone (202) 523-9286.

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## letter to the editor

### RESPONSE TO "NONPHYSICIAN DIRECTORS OF LOCAL HEALTH DEPARTMENTS"

**To the Editor**—The article "Nonphysician Directors of Local Health Departments: Results of a National Survey" by Cameron and Kobylarz, in the July-August 1980 issue, pp. 386-397, is misleading in its conclusions, at least with respect to Oregon. The problem is one of semantics. In Oregon, health officer is a specific term, which legally is defined as a physician. Health administrators do not have to be physicians. The vast majority of local health departments in Oregon are administered by full-time non-physicians, some of whom have very little public health training. Very few local health departments in Oregon have full-time health officers, and in those that do, the health officer is not necessarily the administrator of the health department.

The average local health officer in Oregon is a physician who merely functions part time in a few public health department clinics and serves as a back-up consultant to the person who administers the health department. It is hard to imagine a situation which uses less physician time and in-put into public health than that of Oregon. The very real danger to public health is the elimination of physicians from the local health department scene altogether. The same applies to physicians in school health, where the trend has been similar.

Max Bader, MD, MPH  
Oregon State Health Officer

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## education notes

**"Topics in Emergency Medicine."** "Topics in Emergency Medicine," a continuing education course to be held January 19-23, 1981, in San Francisco, is specifically designed to meet the needs of practicing emergency physicians, family practitioners, and others engaged in delivering emergency care. Topical, practical, and current, the course addresses the needs of the growing specialty of emergency medicine.

The objective of the program is to instruct the participants in depth through didactic presentations, case studies, student-teacher interactions, and demonstrations of the appropriate approach to problems in the emergency department. Upon completion of the program, regis-

trants should be more competent in handling hand and face injuries, diagnosing and treating acute cardiac disease, interpreting radiographs, and managing problems in other areas, including pediatrics, ophthalmology, neurology, and obstetrics-gynecology. Precourse and postcourse assessments will be available, as will a syllabus with references.

The course, presented by Extended Programs in Medical Education, University of California School of Medicine, San Francisco, meets the criteria for 40 credit hours in category 1 of the American Medical Association Physicians' Recognition Award and the California Medical Association Certification Program. It also is approved for 40 hours in category I by the American College of Emergency Physicians and is acceptable for 40 elective hours by the American Academy of Family Physicians.

For further information, contact Extended Programs in Medical Education, University of California, Rm. 569-U, Third and Parnassus Ave., San Francisco, Calif. 94143, or call (415) 666-4251.

**11th Annual Pediatric Postgraduate Program, Marbella, Spain.** The 11th Annual Pediatric Postgraduate Program will be held February 28 through March 8, 1981, in Marbella, Spain, on the Costa del Sol. Important topics include: New Approaches in Cystic Fibrosis, The Floppy Infant, Anorexia Nervosa, Childhood Malignancies, and Treatment of Children with Tumors. The faculty will include Philip Lanzkowsky, MD, Long Island Jewish-Hillside Medical Center, Victor Dubowitz, MD, Institute of Child Health, University of London, W. H. Hitzig, MD, Universitäts Kinderspital, Zurich, and John O. Forfar, MD, Edinburgh University.

The program, for physicians, nurses, and allied health professionals, provides 18 credit hours LCCME (Liaison Committee for Continuing Medical Education) and AMA (American Medical Association): tuition \$185; 8-day 7-night land package \$315.00 MAP. For further information, contact Continuing Education Coordinator, Long Island Jewish-Hillside Medical Center, New Hyde Park, N.Y. 11042; (212) 470-2114.

**Air Pollution Training Institute.** The Environmental Protection Agency, Air Pollution Training Institute, is conducting a broad spectrum of air pollution courses, ranging from orientation level courses for personnel with little or no experience to highly technical courses to meet the needs of more experienced air pollution control personnel. Following is a chronological schedule of the courses being offered from January through September 1981.

Information on fees, registration, faculty, and so forth, are contained in a bulletin, "Chronological Schedule of Air Pollution Training Courses, October 1980 through September 1981." To obtain the bulletin and further information, contact Registrar, Air Pollution Training Institute, U.S. Environmental Protection Agency, MD—20 Research Triangle Park, N.C. 27711 or telephone (919) 541-2497, FTS 629-2497.

### 1981 chronological schedule of courses

<i>Date</i>	<i>Course No. and Title</i>	<i>Days</i>	<i>Location</i>	
<b>January</b>				
5-9	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	New Brunswick, N.J.	(5)
6-9	482 Sources and Control of Volatile Organic Air Pollutants	4	Austin, Tex.	
19-23	427 Combustion Evaluation	5	Atlanta, Ga.	(7)
19-23	452 Principles and Practice of Air Pollution Control	4½	San Francisco, Calif.	
20-23	444 Air Pollution Field Enforcement	3½	Cincinnati, Ohio	(3)
26-30	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	RTP, N.C.	
<b>February</b>				
2-5	<sup>1</sup> 468 Source Sampling and Analysis of Gaseous Pollutants	4	RTP, N.C.	
10-13	470 Quality Assurance for Air Pollution Measurement Systems	4	Dallas, Tex.	
17-20	413 Control of Particulate Emissions	4	Atlanta, Ga.	(7)
23-27	423 Dispersion of Air Pollution: Theory and Model Application	4½	Portland, Oreg.	
23-27	<sup>1</sup> 474 Continuous Emission Monitoring	5	RTP, N.C.	
<b>March</b>				
9-13	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	Chicago, Ill.	(8)
9-13	452 Principles and Practice of Air Pollution Control	4½	Lansing, Mich.	
10-13	415 Control of Gaseous Emissions	4	Kansas City, Mo.	(2)
16-20	<sup>1</sup> 435 Atmospheric Sampling	4½	New Brunswick, N.J.	(5)
17-20	482 Sources and Control of Volatile Organic Air Pollutants	4	Atlanta, Ga.	
23-27	427 Combustion Evaluation	5	Cleveland, Ohio	(3)
23-27	<sup>1</sup> 464 Analytical Methods for Air Quality Standards	5	RTP, N.C.	
23-27	427 Combustion Evaluation	5	Helena, Mont.	(6)
24-27	413 Control of Particulate Emissions	4	Phoenix, Ariz.	(4)
<b>April</b>				
6-10	<sup>1</sup> 420 Air Pollution Microscopy	4½	New Orleans, La.	
6-10	<sup>1</sup> 474 Continuous Emission Monitoring	5	RTP, N.C.	
7-10	413 Control of Particulate Emissions	4	Cincinnati, Ohio	(3)
21-24	470 Quality Assurance for Air Pollution Measurement Systems	4	New York, N.Y.	
27-May 1	452 Principles and Practice of Air Pollution Control	4½	Boston, Mass.	
27-May 1	426 Statistical Evaluation Methods for Air Pollution Data	4½	RTP, N.C.	
<b>May</b>				
4-8	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	RTP, N.C.	
11-14	<sup>1</sup> 468 Source Sampling and Analysis of Gaseous Pollutants	4	RTP, N.C.	
11-15	411 Air Pollution Meteorology	4½	Austin, Tex.	(2)
12-15	415 Control of Gaseous Emissions	4	Cherry Hill, N.J.	(5)
18-22	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	Gainesville, Fla.	(7)
19-22	482 Sources and Control of Volatile Organic Air Pollutants	4	Hartford, Conn.	
19-22	470 Quality Assurance for Air Pollution Measurement Systems	4	Denver, Colo.	
19-22	413 Control of Particulate Emissions	4	Des Moines, Iowa	(8)
<b>June</b>				
1-5	<sup>1</sup> 435 Atmospheric Sampling	4½	RTP, N.C.	
8-12	423 Dispersion of Air Pollution: Theory and Model Application	4½	Houston, Tex.	
8-12	427 Combustion Evaluation	5	W. Seneca, N.Y. (Buffalo)	(1)
8-12	<sup>1</sup> 474 Continuous Emission Monitoring	5	RTP, N.C.	
16-19	413 Control of Particulate Emissions	4	Baltimore, Md.	(5)
16-19	415 Control of Gaseous Emissions	4	Denver, Colo.	(4)

1981 chronological schedule of courses (continued)

Date	Course No. and Title	Days	Location	
<b>July</b>				
6-10	427 Combustion Evaluation	5	Oklahoma City, Okla.	(2)
7-10	482 Sources and Control of Volatile Organic Air Pollutants	4	Seattle, Wash.	
13-17	411 Air Pollution Meteorology	4½	Davis, Calif.	(4)
14-17	444 Air Pollution Field Enforcement	3½	St. Louis, Mo.	(8)
21-24	478 Evaluation of the Air Quality Impact of Proposed New Sources	4	RTP, N.C.	
27-31	426 Statistical Evaluation Methods for Air Pollution Data	4½	Boston, Mass.	
27-31	<sup>1</sup> 435 Atmospheric Sampling	4½	Seattle, Wash.	(6)
28-31	415 Control of Gaseous Emissions	4	Nashville, Tenn.	(7)
<b>August</b>				
3-7	427 Combustion Evaluation	5	Los Angeles, Calif.	(4)
4-7	485 Processing Applications for Permits to Construct AP Sources	4	RTP, N.C.	
11-14	415 Control of Gaseous Emissions	4	Harrisburg, Pa.	(1)
17-21	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	Chicago, Ill.	(8)
18-21	413 Control of Particulate Emissions	4	Pittsburgh, Pa.	(3)
24-28	427 Combustion Evaluation	5	Washington, D.C.	(5)
25-28	478 Evaluation of the Air Quality Impact of Proposed New Sources	4	Los Angeles, Calif.	
<b>September</b>				
1-4	485 Processing Applications for Permits to Construct AP Sources	4	San Francisco, Calif.	
14-18	<sup>1</sup> 450 Source Sampling for Particulate Pollutants	4½	Seattle, Wash.	(6)

<sup>1</sup> Indicates laboratory courses.

Note: Numbers in parentheses indicate courses conducted by area training centers under a grant from EPA/OAQPS, Manpower and Technical Information Branch, with support provided by Northrop Services, Inc., a firm also under contract to MTIB. The institutions involved and their respective numbers are as follows:

1. New England Consortium on Environmental Protection, c/o Boston College, Weston, Mass.
2. University of Texas, Austin.
3. University of Cincinnati, Cincinnati.
4. University of California—Davis.
5. Rutgers University, New Brunswick, N.J.
6. University of Washington, Seattle.
7. University of Florida, Gainesville.
8. Illinois Institute of Technology, Chicago.

**Radiology for nonradiologists.** The Department of Radiology of the University of California, San Diego, is presenting "Radiology for Nonradiologists—1981" in San Diego, February 5 to 7, 1981. The course will consist of a series of lectures providing an overview of all the major imaging techniques and diagnostic tools used by radiologists. Special emphasis will be placed on the newest modalities—ultrasound and CT (computerized tomographic) scanning—as well as nuclear medicine. The appropriate use of imaging procedures in common clinical problems of diagnosis and followup will be emphasized. The entire course is designed to assist the clinical physician to keep abreast of latest developments in the field of radiology.

Chairman of the program is Robert N. Berk, MD, Chairman of the Radiology Department, University of California, San Diego; the program director is David S. Feigin, MD, Chief of Chest

Radiology, Veterans Administration Hospital, San Diego. For further information and to obtain a program brochure, write to Mary J. Ryals, Director of Postgraduate Education, P.O. Box 2305, La Jolla, Calif. 92038 (714) 459-9787.

**Postdoctoral fellowships for the study of ethics and the life sciences.** The Hastings Center, Institute of Society, Ethics and Life Sciences, is offering two 1-year postdoctoral fellowships for the study of ethics and the life sciences for the academic year 1981-82. The interdisciplinary program, open to applicants from all fields, requires an advanced doctoral or professional degree (or its equivalent). The application deadline is January 1, 1981. Brochures and related information may be requested from Ms. Bonnie Baya, Postdoctoral Fellowship Program, Hastings Center, 360 Broadway, Hastings-on-Hudson, N.Y. 10706.

**Legal and Ethical Dilemmas in Occupational Health.** The Rocky Mountain Center for Occupational and Environmental Health, University of Utah, the Center for Occupational Safety and Health, University of Arizona, and the School of Public Health, University of Texas Health Science Center, are co-sponsoring the 3d annual Park City Environmental Health Conference on Legal and Ethical Dilemmas in Occupational Health, to be held April 8-10, 1981, in Park City, Utah.

Credit approval is pending from the American Medical Association and the American Board of Industrial Hygiene.

Further information may be obtained from Katherine C. Bloesch, Rocky Mountain Center for Occupational and Environmental Health, Bldg. 112, University of Utah, Salt Lake City, Utah 84112 or telephone (801) 581-5710.

**Environmental health engineering seminars.** The Engineering School, Continuing Education Program, Vanderbilt University, Nashville, Tennessee, is sponsoring the following seminars in early 1981 for engineers in the environmental health field. The costs range from \$375 to \$500 per course.

*Process Design in Water Quality Engineering, January 12-16, San Diego, Calif., and January 19-23, Washington, D.C.* This seminar's objective is to present those in attendance with the most up-to-date procedures for use in the design of unit operations and processes in current use in waste treatment schemes and to present these procedures in sufficient detail so that they can immediately be put into practice in producing or reviewing actual designs.

*Hazardous Waste Engineering, January 26-28, Pittsburgh, Pa.* This seminar is designed to provide all interested personnel (especially those responsible for bringing their company's hazardous wastes management program into compliance with Federal and State regulations) with the latest engineering design and implementation programs for managing hazardous materials. The seminar will also focus on devising strategy for dealing effectively with the 1980 Resource Conservation and Recovery Act

(which already has posed serious compliance difficulties for many segments of industry).

*Waste Incineration, January 12-13, San Diego, Calif., and January 29-30, Pittsburgh, Pa.* This seminar addresses waste incineration selection, costing, and implementation for industrial, health care, commercial, and institutional facilities. A special feature is a series of six workshops that provide practical exercises in the application of waste incineration principles and teach participants how to deal with each waste category.

*Pretreatment of Industrial Wastewaters, January 19-21, Washington, D.C.* This program is of value to persons directly involved in defining pretreatment programs for industrial wastewaters for both private industry and government. Federal and local legislation requires pretreatment of industrial wastewaters for the removal of nonconventional pollutants, and in some cases for the removal of conventional pollutants, before their discharge to municipal systems. Regulatory requirements and the required sampling and analytical procedures are discussed. Pollution control strategies for in-plant modifications or end-of-pipe treatment are developed.

*Wastewater Engineering, February 2-4,*

*Atlanta, Ga.* This seminar is structured to reinforce and expand the elements of pollution control technology within a framework of modern and cost-effective practice. Case studies are used to demonstrate the application of physical, chemical, and biological treatment processes by municipalities and industries. This course is for scientific engineering, and management personnel concerned with water quality control. It covers the state of the art in wastewater technology and develops appropriate theoretical principles, which are applied to wastewater engineering practice.

*Design for the Eighties, March 16-20, Nashville, Tenn.* Meeting the increasingly stringent effluent limitations in an energy-effective and cost-effective manner will require modifications to existing design and the innovative design of new facilities. For this workshop, several field-tested solutions have been selected to illustrate innovative design technology. The workshop notebook will be mailed to participants in advance to allow them to prepare questions and specific problems for discussion.

For further information about these seminars, contact Janet Vance, Continuing Engineering Education, Vanderbilt University, Box 1525, Station B, Nashville, Tenn. 37235 (615: 322-2924).

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# publications

## FEDERAL

Income and Resources of the Aged. *DHEW Publication No. (SSA) 13-11727. January 1980; 35 pages.*

Research Publications and Microdata Files. *Spring 1980. 75 pages. DHHS Publication No. (SSA) 13-11925. Office of Research and Statistics, 1875 Connecticut Ave., NW., Washington, D.C. 20009.*

NCHSR Solicitation Grants for Research on Health Promotion and Disease Prevention. *DHHS Publication No. (PHS) 80-3292. 1980; 21 pages.*

Environmental Health. A Plan for Collecting and Coordinating Statistical and Epidemiologic Data. *DHHS Publication No. (PHS) 80-1248. 1980; 78 pages.*

Annual Report to the Congress on Title XX of the Social Security Act, Fiscal Year 1979. *DHHS Publication No. (OHDS) 80-02033. February 1980; 93 pages.*

Health Care Surveys Using Diaries. *By Seymour Sudman and Linda Bean Lanom. NCHSR Research Report Series.*

*DHHS Publication No. (PHS) No. 80-3279. 1980; 289 pages.*

The Elderly Population: Estimates by County, 1977. *By Donald G. Fowles. DHHS Publication No. (OHDS) 80-20248. 1980; 162 pages.*

Social Security Programs Throughout the World, 1979. *Research Report No. 54. DHHS Publication No. (SSA) 13-11805 (formerly 78-11805). Revised May 1980; 269 pages.*

Chest X-Ray Screening Practices—An Annotated Bibliography. *By Marion Torchia and Jo Anne Duchez. DHHS Publication No. 80-8116. \$3.50 (Stock No. 017-015-00167-9).*

An Evaluation of Microwave Emissions From Sensormatic Electronic Security Systems. *By Howard I. Bassen. DHHS Publication No. 8106. 1980; \$5.00, \$3.50 microfiche. National Technical Information Service, Springfield, Va. 22161.*

The Selection of Patients for X-Ray Examinations. *By Reynold F. Brown, John W. Shaver, and David A. Lamel. DHEW Publication No. (FDA) 80-8104. 1980; \$3.50 (Stock No. 017-12-00285-4).*

Proceedings of a Workshop on Thermal Physiology. *Edited by T. Whit Athey. DHEW Publication No. (FDA) 80-8109. 1980; \$8, \$3.50 microfiche. National Technical Information Service, Springfield, Va. 22161.*

Measurements of Emission Levels During Microwave and Shortwave Diathermy Treatments. *By Paul S. Ruggera. DHEW Publication No. (FDA) 80-8119. 1980; \$1.70 (Stock No. 017-015-00168-7).*

Issues Regarding Confidentiality of Data in the Cooperative Health Statistics Systems. *DHEW Publication No. (PHS) 80-1459, Series 4, No. 22. April 1980; 50 pages.*

Basic Data on Depressive Symptomatology, United States, 1974-75. *DHEW Publication No. (PHS) 80-1666, Series 11, No. 215. April 1980; 37 pages.*

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Federal publications listed are obtainable from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should identify the publication. Single copies may be requested from the agency.

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**WORLD HEALTH ORGANIZATION**

WHO Expert Committee on Specifications for Pharmaceutical Preparations. Twenty-seventh report. *WHO Technical Report Series No. 645*. 1980; 54 pages (ISBN 92 4 120645 5); Geneva (French and Spanish editions in preparation).

WHO Expert Committee on Diabetes Mellitus. Second report. *WHO Technical Report Series No. 646*. 1980; 80 pages (ISBN 92 4 120646 2); Geneva (French and Spanish editions in preparation).

The Gabrovo Health Services Model in the People's Republic of Bulgaria. Report on a study. By D. K. Sokolov, J. E. Asvall, and H. Zollner. *EURO Reports and Studies No. 27*. 1980; 94 pages (ISBN 92 9020 166 5). Regional Office for Europe, WHO; Copenhagen.

Changing Patterns in Mental Health Care. Report on a WHO Working Group. Cologne, 27 November-1 December 1978. *EURO Reports and Studies No. 25*. 1980; 50 pages (ISBN 92 9020 1649). Regional Office for Europe, WHO; Copenhagen.

Information Systems for Health Services. Edited and introduced by G. McLachlan, Foreword by D. D. Venediktov. *Public Health in Europe No. 13*. 1980; 132 pages (ISBN 92 9020 132 0). Re-

gional Office for Europe, WHO; Copenhagen.

The Work of WHO, 1978-1979. Biennial Report of the Director General to the World Health Assembly and to the United Nations. 1980; 264 pages (ISBN 92 4 156063 0); Geneva (also available in Arabic, Chinese, French, Russian and Spanish).

WHO publications may be obtained from WHO Publications Centre USA, 49 Sheridan Ave., Albana, N.Y. 12210.

**NON-FEDERAL**

General Procedures for the Cell Culture Laboratory. By W. Alton Jones, *Cell Science Center*. 1980; 8 pages. Corning Medical and Scientific, Corning Glass Works, Corning, N.Y. 14830.

Home Health Care and National Health Policy. By Brahma Trager. 1980; 103 pages; \$12.95 (hardbound). Haworth Press, Inc., 149 Fifth Ave., New York, N.Y. 10010.

Schools and Parents—Partners in Sex Education. By Sol Gordon and Irving R. Dickman. *Public Affairs Pamphlet No. 581*. May 1980; 28 pages; 50 cents. *Public Affairs Pamphlets*, 381 Park Ave., South, New York, N.Y. 10016.

Zoonoses and Communicable Diseases

Common to Man and Animals. By Pedro N. Acha and Boris Szyfres. *PAHO Scientific Publication No. 35*. 1980; 700 pages; \$15. Pan American Health Organization, 525 Twenty-Third St., NW., Washington, D.C. 20037.

Bibliography of Bioethics. Vol. 6. Edited by LeRoy Walters. 1980; 336 pages; \$44 (ISBN 0-8103-0987-4). Gale Research Co., Book Tower, Detroit, Mich. 48226.

Mental Wellness Programs for Employees. Vol. 9. Edited by Richard H. Egdahl, Diana Chapman Walsh, and guest editor Willis B. Goldbeck. 1980; \$12. Center for Industry and Health Care, 53 Bay State Rd., Boston, Mass. 02215.

Prostate Cancer. A series of workshops on the biology of human cancer. Report No. 9. Edited by Donald S. Coffey and John T. Isaacs. *UICC Technical Report Series, vol. 48*. 1970; 289 pages; Swiss Francs 20 (ISBN 92-9018-048-X). Managing Editor, International Union Against Cancer (UICC), 3 rue du Conseil-General, Ch 1205, Geneva, Switzerland.

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### **Key to Classification of Subject Index**

- (\*) Original signed article
- (CR) Conference report
- (PR) Publication review
- (SR) Short report

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